

AMENDMENTS TO THE CLAIMS

LISTING OF CLAIMS IN THE CASE

The following listing of claims in the case replaces all previous listings of claims.

1. (Currently Amended) A method of sharing information between a ~~host~~ first computer system and a ~~peripheral~~ second computer system comprising the steps of:

a) establishing a communication link between said ~~host~~ first computer system and said ~~peripheral~~ second computer system;

b) activating a plurality of conduit programs on said ~~host~~ first computer system, wherein said conduit programs execute in parallel; and

c) said conduit programs ~~simultaneously~~ synchronizing information on said ~~host~~ first computer system with information on said second ~~peripheral~~ computer system, wherein said conduit programs initiate time multiplexed information transfers over said communication link while they execute in parallel.

2. (Cancelled)

3. (Original) The method of Claim 1 further comprising the step of

d) establishing the order in which said plurality of conduit programs receive access to said communication link.

4. (Original) The method of Claim 3 wherein step d) comprises the step of
d1) arbitrating the order in which said plurality of conduit programs
receive access to said communication link.

5. (Currently Amended) The method of Claim 1 wherein:
said plurality of conduit programs comprise a first conduit program
and a second conduit program; and wherein
step c) comprises the steps of:

c1) said first conduit program ~~performing~~ initiating a transfer
across said communication link while said second conduit program
simultaneously performs a non-transfer function; and

c2) said second conduit program ~~performing~~ initiating a
transfer across said communication link while said first conduit
program simultaneously performs a non-transfer function.

6. (Currently Amended) The method of Claim 1 wherein said plurality of
conduit programs comprise a first conduit program and a second conduit
program; and

step c) comprises the step of

c1) said first conduit program updating records in a database
on said ~~host~~ first computer system while said second conduit program
simultaneously ~~performs~~ initiates a data transfer across said
communication link.

7. (Currently Amended) The method of Claim 1 wherein said plurality of conduit programs comprise a first conduit program and a second conduit program; and

step c) comprises the step of

c1) said first conduit program ~~performing~~ initiating a data transfer across said communication link while said second conduit program simultaneously waits for a response from said second ~~peripheral~~ computer system.

8. (Currently Amended) The method of Claim 1 wherein said ~~peripheral~~ second computer system is a ~~palmtop~~ handheld computer system.

9-20. (Cancelled)

21. (New) A host computer system comprising:

a processor; and

a computer readable memory coupled to said processor via a bus, said memory having stored therein:

a communication program operable to establish a communication link between said host computer system and a peripheral electronic device and to control information transfers over said communication link;

a plurality of conduit programs operable to synchronize information between said host computer system and said peripheral electronic device; and

a manager program operable to invoke said conduit programs for parallel execution;

wherein said conduit programs execute in parallel to synchronize information on said host computer system with information on said peripheral electronic device, and further wherein said conduit programs cause said communication program to perform time multiplexed information transfers over said communication link of portions of information being synchronized while said conduit programs execute in parallel.

22. (New) The host computer system of Claim 21 wherein said memory further comprises:

an ordering program operable to order access to said communication link by said plurality of conduit programs.

23. (New) The host computer system of Claim 21 wherein a first of said plurality of conduit programs is operable to synchronize a database on said host computer system with a database on said peripheral electronic device.

24. (New) The host computer system of Claim 21 wherein a first of said of plurality of conduit programs is operable to install software onto said peripheral electronic device.

25. (New) The host computer system of Claim 21 wherein a first of said of plurality of conduit programs is operable to exchange e-mail between said host computer system and said peripheral electronic device.

26. (New) The host computer system of Claim 21 wherein said memory comprises a plurality of host databases, and wherein at least two of said plurality of conduit programs simultaneously synchronize said host databases with corresponding databases residing on said peripheral electronic device.

27. (New) A computer readable medium having stored therein instructions that when executed on a processor implement a method of sharing data between a host computer system and an electronic device coupled by a communication link, said method comprising:

executing a plurality of conduit programs in parallel on said host computer system; and

said conduit programs synchronizing host data on said host computer system with electronic device data on said electronic device while executing in parallel, wherein said conduit programs initiate time multiplexed

transfers over said communication link of data selected from said host data and said electronic device data.

28. (New) The computer readable medium of Claim 27 wherein said method further comprises establishing an order in which said plurality of conduit programs receive access to said communication link.

29. (New) The computer readable medium of Claim 27 wherein said plurality of conduit programs comprise a first conduit program and a second conduit program, and further wherein said conduit programs synchronizing data comprises:

said first conduit program retrieving a first set of modified records from a first electronic device database on said electronic device;

said second conduit program retrieving a second set of modified records from a second electronic device database on said electronic device while said first conduit program compares said first set of modified records with a first host database on said host computer system to create a first synchronized database;

said first conduit program writing first records from said first synchronized database to said first electronic device database while said second conduit program compares said second set of modified

records with a second host database on said host computer system to create a second synchronized database; and

said second conduit program writing second records from said second synchronized database to said second electronic device database.

30. (New) The computer readable medium of Claim 27 wherein said electronic device is a portable computer system.

31. (New) The computer readable medium of Claim 27 wherein said electronic device is a handheld computer system.